RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/530,746B

Input Set : A:\1803-277-999.txt
Output Set: N:\CRF3\07192002\I530746B.raw

```
   4  <110> APPLICANT: Kessler, Christoph
   5         Haberhausen, Gerd
   6         Bartl, Knut
   7         Orum, Henrik
   9  <120> TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
  12  <130> FILE REFERENCE: 4817/OQ
C-->  14  <140> CURRENT APPLICATION NUMBER: US/09/530,746B
C-->  15  <141> CURRENT FILING DATE: 2000-11-16
  17  <160> NUMBER OF SEQ ID NOS: 95
  19  <170> SOFTWARE: PatentIn Version 3.1
  21  <210> SEQ ID NO: 1
  22  <211> LENGTH: 24
  23  <212> TYPE: DNA
  24  <213> ORGANISM: Artificial Sequence
  26  <220> FEATURE:
  27  <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
  29  <400> SEQUENCE: 1
  30  gcagaaagcg tctagccatg gcgt                                          24
  33  <210> SEQ ID NO: 2
  34  <211> LENGTH: 24
  35  <212> TYPE: DNA
  36  <213> ORGANISM: Artificial Sequence
  38  <220> FEATURE:
  39  <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
  41  <400> SEQUENCE: 2
  42  ctcgcaagca ccctatcagg cagt                                          24
  45  <210> SEQ ID NO: 3
  46  <211> LENGTH: 20
  47  <212> TYPE: DNA
  48  <213> ORGANISM: Artificial Sequence
  50  <220> FEATURE:
  51  <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
  53  <400> SEQUENCE: 3
  54  agtatgtgtg tcgtgcagcc                                               20
  57  <210> SEQ ID NO: 4
  58  <211> LENGTH: 18
  59  <212> TYPE: DNA
  60  <213> ORGANISM: Artificial Sequence
  62  <220> FEATURE:
  63  <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
  65  <400> SEQUENCE: 4
  66  tgctctccc gggagtgg                                                 18
  69  <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/530,746B

DATE: 07/19/2002
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Input Set : A:\1803-277-999.txt
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71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: probe
77 <400> SEQUENCE: 5
78 ctccaggacc cc                                                    12
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 48
83 <212> TYPE: DNA
84 <213> ORGANISM: HCV
86 <400> SEQUENCE: 6
87 agtatgagtg tcgtgcagcc tccaggaccc cccctcccgg gagagcca             48
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 48
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 7
96 agtatgtgtg tcgtgcagcc tccaggaccc ccactcccgg gagagcca             48
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 59
101 <212> TYPE: DNA
102 <213> ORGANISM: HCV
104 <400> SEQUENCE: 8
105 gtactgcctg atagggtgct tgcgagtgcc ccgggaggtc tcgtagaccg tgcaccatg  59
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 59
110 <212> TYPE: DNA
111 <213> ORGANISM: HGBV-B
113 <400> SEQUENCE: 9
114 gtactgcctg atagggtcct tgcgagggga tctgggagtc tcgtagaccg tagcacatg  59
117 <210> SEQ ID NO: 10
118 <211> LENGTH: 19
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
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126 ccaggacccc cactcccgg                                             19
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130 <211> LENGTH: 20
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
137 <400> SEQUENCE: 11
138 tccaggaccc ccactcccgg                                            20
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 16
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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
149 <400> SEQUENCE: 12
150 ccaggacccc cactcc   16
153 <210> SEQ ID NO: 13
154 <211> LENGTH: 48
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
161 <400> SEQUENCE: 13
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165 <210> SEQ ID NO: 14
166 <211> LENGTH: 22
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
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177 <210> SEQ ID NO: 15
178 <211> LENGTH: 17
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
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190 <211> LENGTH: 18
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192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
197 <400> SEQUENCE: 16
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201 <210> SEQ ID NO: 17
202 <211> LENGTH: 21
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
209 <400> SEQUENCE: 17
210 cgtactgcct gatagggtgc t   21
213 <210> SEQ ID NO: 18
214 <211> LENGTH: 23
215 <212> TYPE: DNA

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218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
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226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
233 <400> SEQUENCE: 19
234 cgtactgcct gatagggttg c                                             21
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239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
245 <400> SEQUENCE: 20
246 gmatgtgmta mggtmtamga gac                                            23
249 <210> SEQ ID NO: 21
250 <211> LENGTH: 21
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
257 <220> FEATURE:
W--> 258 <221> NAME/KEY: modified base
259 <222> LOCATION: 11,19
260 <223> OTHER INFORMATION: n=i
262 <400> SEQUENCE: 21
W--> 263 cgtactgcct natagg101 gtnc t                                          21
266 <210> SEQ ID NO: 22
267 <211> LENGTH: 23
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
274 <220> FEATURE:
W--> 275 <221> NAME/KEY: modified base
276 <222> LOCATION: 19
277 <223> OTHER INFORMATION: n=i
279 <400> SEQUENCE: 22
W--> 280 gmatgtgmta mggtmtdmnd gdc                                            23
283 <210> SEQ ID NO: 23
284 <211> LENGTH: 20
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
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      258 <220> FEATURE:
      259 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
      291 <220> FEATURE:
W-->  292 <221> NAME/KEY: modified base
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      294 <223> OTHER INFORMATION: n=i
      296 <400> SEQUENCE: 23
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      302 <212> TYPE: DNA
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      305 <220> FEATURE:
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      308 <220> FEATURE:
W-->  309 <221> NAME/KEY: modified base
      310 <222> LOCATION: 11,19
      311 <223> OTHER INFORMATION: n=i
      313 <400> SEQUENCE: 24
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      319 <212> TYPE: DNA
      320 <213> ORGANISM: Artificial Sequence
      322 <220> FEATURE:
      323 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
      325 <220> FEATURE:
W-->  326 <221> NAME/KEY: modified base
      327 <222> LOCATION: 19
      328 <223> OTHER INFORMATION: n=i
      330 <220> FEATURE:
W-->  331 <221> NAME/KEY: modified base
      332 <222> LOCATION: 6,8,9
      333 <223> OTHER INFORMATION: n=p
      335 <400> SEQUENCE: 25
W-->  336 gmatgnknna mggtmtdmnd gdm                                     23
      339 <210> SEQ ID NO: 26
      340 <211> LENGTH: 20
      341 <212> TYPE: DNA
      342 <213> ORGANISM: Artificial Sequence
      344 <220> FEATURE:
      345 <223> OTHER INFORMATION: Description of Artificial Sequence: amplification primer
      347 <220> FEATURE:
W-->  348 <221> NAME/KEY: modified base
      349 <222> LOCATION: 11,19
      350 <223> OTHER INFORMATION: n=i
      353 <400> SEQUENCE: 26
W-->  354 cgtamtgmmt natagggtnm                                        20
      357 <210> SEQ ID NO: 27
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/19/2002
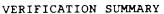PATENT APPLICATION: US/09/530,746B   TIME: 14:34:48

Input Set : **A:\1803-277-999.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 11,19
Seq#:22; N Pos. 19
Seq#:23; N Pos. 11,19
Seq#:24; N Pos. 11,19
Seq#:25; N Pos. 6,8,9,19
Seq#:26; N Pos. 11,19
Seq#:28; N Pos. 11,19
Seq#:29; N Pos. 19
Seq#:30; N Pos. 11,19
Seq#:31; N Pos. 19,24
Seq#:32; N Pos. 6,8,9,19
Seq#:35; N Pos. 11
Seq#:36; N Pos. 13,19
Seq#:37; N Pos. 19,24
Seq#:38; N Pos. 19,24
Seq#:39; N Pos. 11
Seq#:40; N Pos. 6,8,9,13,19,24
Seq#:41; N Pos. 6,8,9,19,24
Seq#:43; N Pos. 17
Seq#:44; N Pos. 17
Seq#:45; N Pos. 6,8,9,17
Seq#:47; N Pos. 17
Seq#:48; N Pos. 17
Seq#:49; N Pos. 6,8,9,17

VERIFICATION SUMMARY   DATE: 07/19/2002
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Input Set : A:\1803-277-999.txt
Output Set: N:\CRF3\07192002\I530746B.raw

L 14 M:270 C: Current Application Number differs, Replaced Current Application Number
L 15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:258 M 257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:275 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:292 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:309 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:326 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
L:331 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:348 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:378 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:396 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:29
L:402 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:415 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:432 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31
L:437 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.·0
L:455 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32
L:461 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:502 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:35
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:519 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:36
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:37
L:541 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:37
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:559 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38
L:564 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:581 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:599 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40
L:604 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:621 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:41
L:626 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:41
L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:655 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:43
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:672 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44

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```
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:691 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:696 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:726 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:743 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:760 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:765 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
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